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Memo For : Chief, Management Maintenance Branch  
Engineering Division

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From :  Computer Equipment Analyst  
MMB/ED

Subject : IDM Hardware Course

The IDM Hardware Maintenance course is designed for field engineers. The quality of instruction was very good. The main instructor, MR. CY Motichka, is a field engineer who is very knowledgeable on IDM hardware. The course outline was laid out very well. It began with the very basic aspects of the IDM, such as the unpacking of the device, site preparations, power connectors, storage cabinets etc., which are needed to get the IDM operational, the course also covered the more complicated points of the IDM such as pinpointing certain failures on boards down to the very chip which is causing the problem. Throughout the course we were given documentation which showed the basic theories of the IDM hardware and also the many errors which can occur and how to decode them. These pamphlets will help in trouble shooting and repairing problems. Most of the course, even though designed for field engineers, was understandable. Much of the repair shown in the class will be done by a C.E., but much of the techniques shown could be very helpful in first line problem solving. Most of the problems with IDM can be solved by replacing boards, the major problem is finding which board is bad.

The main concern of the course is problem diagnostics. The people at Britton Lee were very helpful, they answered many questions presented them concerning our system. Britton Lee's Los Gatos plant was very impressive. Even though the plant is very small, compared to some I have visited, it was very efficient. The repair section of the plant was very impressive. This section had equipment which could locate a bad chip on a board in a matter of minutes and the facilities to repair it on site.

Overall the class was very informative, even though much of the information discussed and reviewed was very technical, I feel it will be beneficial in trouble shooting problems and in assisting the field engineer in repairing the IDM hardware. I would recommend this course for other members in Maintenance Management Branch.

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